

MA SERIES - MICRO-LIMIT SWITCHES



FEATURES

- **Ratings:** 16 Amps 250 VAC (resistive load). 4 Amps 250 VAC (motor load) or 3 Amps 250 VAC (resistive load). 0.1 Amps 250 VAC (motor load).
- **Single pole CO (change-over or alternate action), NC (normally closed momentary) and NO (normally open momentary) configurations.**
- **Close tolerance switching action with long life (10,000,000 mechanical cycles min.).**
- **Pin plunger, hinge lever or roller lever actuator options.**

MATERIALS

Contacts:	Stationary: Nicker silver Shorting: Beryllium copper
Actuator:	FS 161 (UL94V-O)
Case & cover:	PBT (UL94V-O)
Terminals:	Silver plated copper/zinc

AGENCY RECOGNITION



Approval pending.

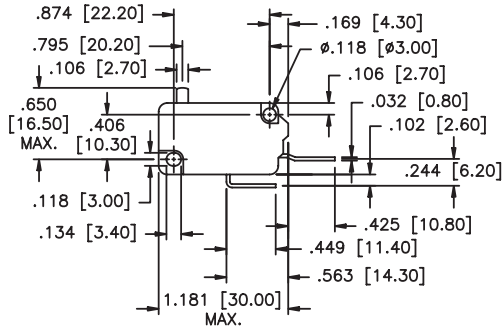
SPECIFICATIONS

Operating force:	≤ 12.59 oz. (343 grams) approx. for 16 Amp models ≤ 0.72 oz. (20 grams) approx. for 3 Amp models
Pretravel:	$\leq .047$ " (1.2mm)
Overtravel:	$\geq .059$ " (1.5mm) min.
Movement differential:	$\leq .016$ " (0.4mm)
Free position:	$\leq .649$ " (16.5mm)
Operating position:	$.578 \pm .020$ " (14.7mm $\pm$ 0.5mm)
Operating temperature:	-40°C to +85°C
Contact gap:	less than .118" (3mm)
Tracking resistance:	> PTI 175

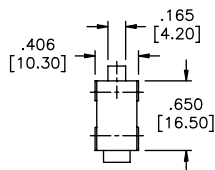
MA SERIES - MICRO-LIMIT SWITCHES

MECHANICAL OUTLINES

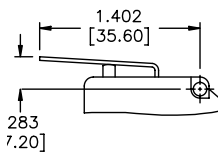
Models with quick-connect terminal .031x.248" (0.8x6.3mm)



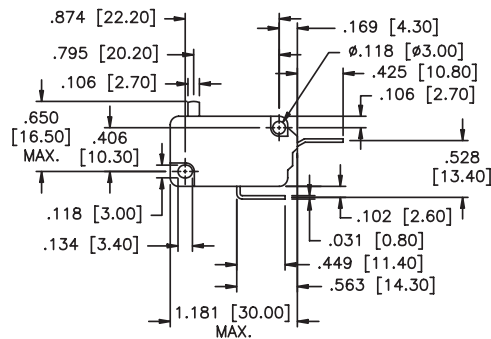
Normally open



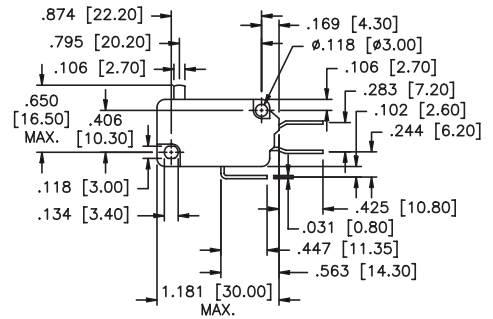
Side view



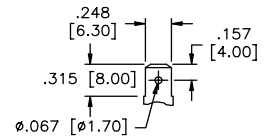
Hinge lever



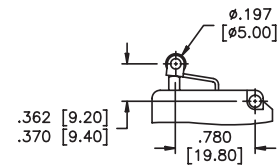
Normally closed



Change-over



Quick-connect terminal



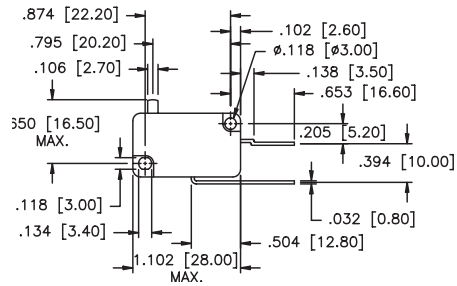
Roller lever

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

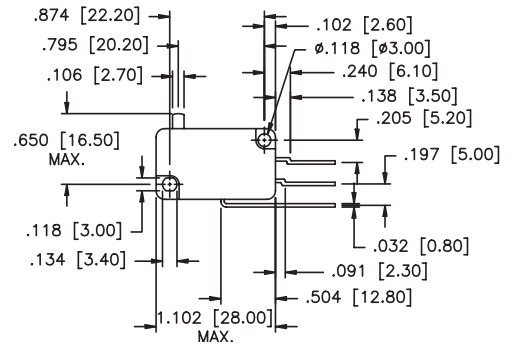
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MECHANICAL OUTLINES

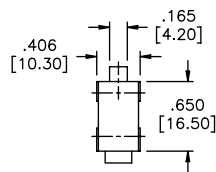
Models with quick-connect terminal .031x.248" (0.8x6.3mm) & pin spacing .197" (5mm)



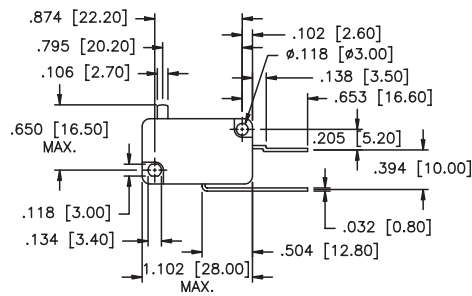
Normally open



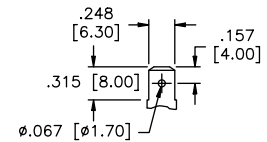
Change-over



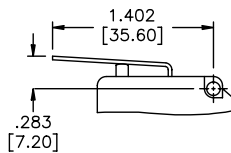
Side view



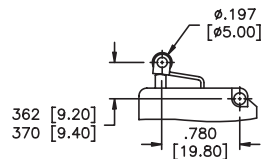
Normally closed



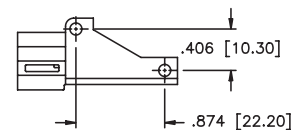
Quick-connect terminal



Hinge lever



Roller lever



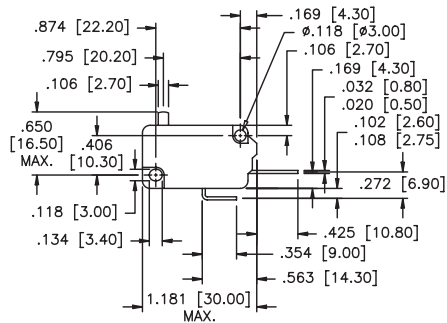
Adaptor element

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

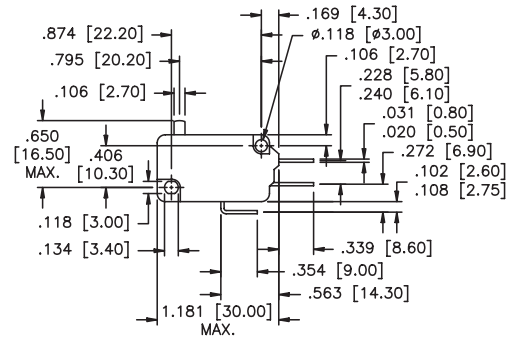
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MECHANICAL OUTLINES

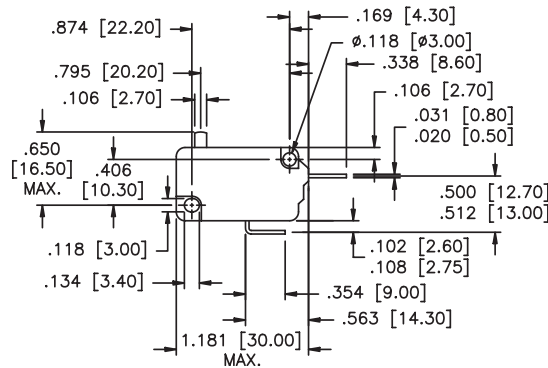
Models with quick-connect terminal .020 or .031x.248" (0.8 or 0.8x6.3mm)



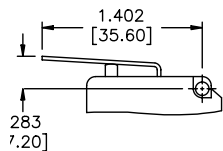
Normally open



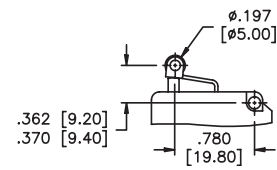
Change-over



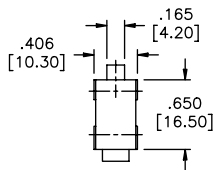
Normally closed



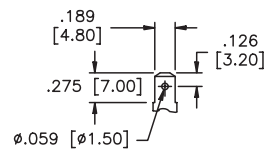
Hinge lever



Roller lever



Side view



Quick connect terminal

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

H

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